

Factory-Verified Replacement

MERYDOM 11-25 0716/1-04864

Certified for interchange with IMO 11-25 0716/1-04864.
This document consolidates the public product record,
complete published specifications, technical media,
source traceability and engineering confirmation notes.

LEVEL 3 - MERYDOM ENGINEERING VERIFIED

Reviewed by MERYDOM Engineering Department. Final application approval must confirm loads, duty cycle,
mounting rigidity, bolt capacity, lubrication and operating conditions.

MERYDOM MODEL

11-25 0716/1-04864

REFERENCE

IMO 11-25 0716/1-04864

SERIES

OTHER_STANDARD_BALL Series

STRUCTURE

Sfere a quattro punti di contatto

OVERALL OD

mm

OVERALL ID

mm

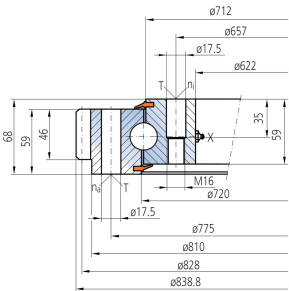
OVERALL HEIGHT

mm

GEAR

Dentatura esterna

Published Technical Drawing



imo-11250716104864-drawing.webp

Complete Product Data

All values below are generated from the current public verified replacement record. Source values are retained and metric references are shown where available.

MERYDOM CERTIFIED PRODUCT	
Product brand	MERYDOM
MERYDOM model	11-25 0716/1-04864
Certified interchangeable with	IMO 11-25 0716/1-04864
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	QMHGXEDDLUTKU4T5O2VFXBXWE2
MATERIALS	
Configurable ring material options	42CrMo / 50Mn
Seal material	NBR - Nitrile rubber
Configurable spacer material options	Engineering nylon / Brass
IDENTIFICATION	
Reference brand	IMO
Reference series	OTHER_STANDARD_BALL Series
Reference model	11-25 0716/1-04864
Bearing structure	Sfere a quattro punti di contatto
Gear arrangement	Dentatura esterna
DIMENSION	
Assembly weight (G)	96 kg
MOUNTING	
Outer ring mounting-hole count (na)	40

Complete Product Data

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MOUNTING (CONTINUED)	
Inner ring mounting-hole count (ni)	40
GEAR	
Gear module (m)	6 mm
Gear tooth count (z)	138
Addendum modification coefficient (x)	0,5
PERFORMANCE	
Permitted circumferential force, normal (fz_norm)	14,7 kN
Permitted circumferential force, maximum (fz_max)	27,8 kN
Static radial load rating (Co_rad)	531 kN
Static axial load rating (Co_ax)	1.422 kN
Dynamic radial load rating (C_rad)	287 kN
Dynamic axial load rating (C_ax)	334 kN
PERFORMANCE RATINGS	
Fz Norm	14,7 kN Not simultaneous with other listed dynamic ratings
Fz Max	27,8 kN Not simultaneous with other listed dynamic ratings
Co Rad	531 kN Not simultaneous with other listed dynamic ratings
Co Ax	1.422 kN Not simultaneous with other listed dynamic ratings
C Rad	287 kN Not simultaneous with other listed dynamic ratings
C Ax	334 kN Not simultaneous with other listed dynamic ratings

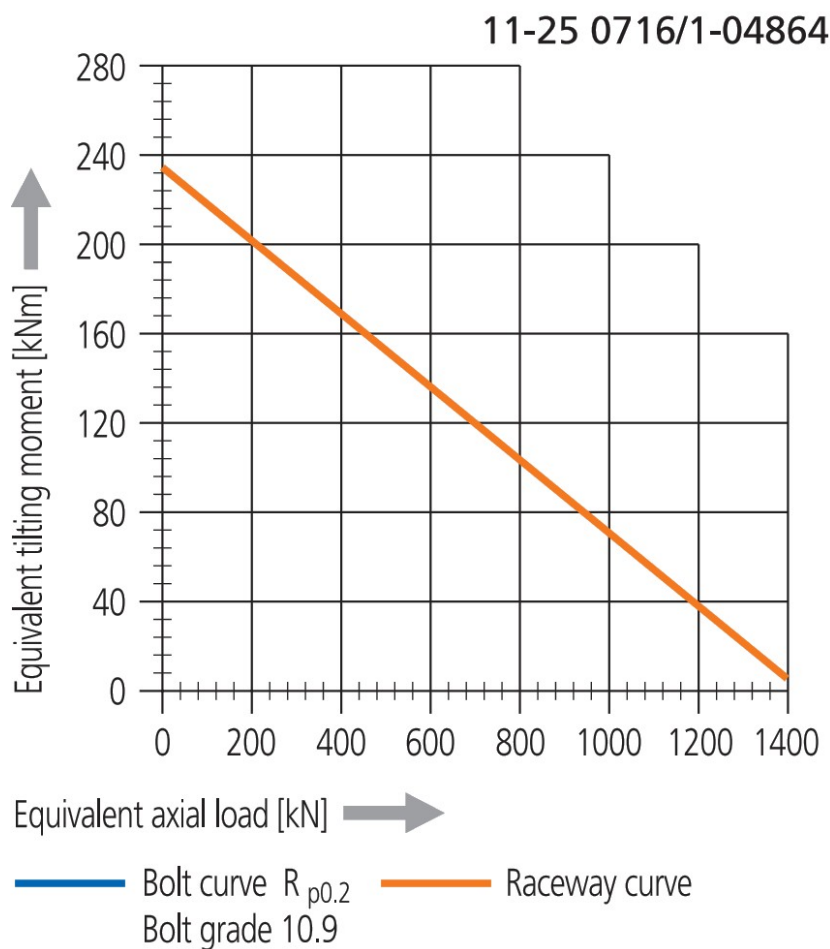
Complete Product Data

All values below are generated from the current public verified replacement record. Source values are retained and metric references are shown where available.

MOUNTING INTERFACES	
Outer ring mounting	40 holes - See source drawing
Inner ring mounting	40 holes - See source drawing
GEAR INTERFACE	
Pitch system	module
Module reference	6 mm
Number of teeth	138
SOURCE TRACEABILITY	
Source document code	IMO_OTHER_STANDARD_BALL_EN
Source file	imo_weitere_standard-kugeldrehverbindungen-en.pdf
PDF page	19
Printed page	Not published
Source language	EN
Original unit system	Metric
PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	imo-11250716104864-curve.webp SHA-256: 4bd7566abdc7f9ea89bc14a6bac1321bdec9f9f27aa75f96f8c2b61dd3 a6223a
Outline Drawing	imo-11250716104864-drawing.webp SHA-256: 96f67bc0fded1868eeb6ed3bc8377f8ff257d7ca5a3845124298a31727 9b24e9

Published Load / Performance Chart

Use the published chart as a preliminary selection aid only. The model legend, curve family and source document must be reviewed together with the operating load case.



Please adhere strictly to the rules given in the Technical Information section when using above graph!

imo-11250716104864-curve.webp | SHA-256: 4bd7566abdc7f9ea89bc14a6bac1321bdec9f9f27aa75f96f8c2b61dd3a6223a

Engineering note: final approval must also consider mounting rigidity, bolt capacity, duty cycle, lubrication, temperature, environment and installation conditions.

Source and Verification Traceability

PUBLIC RECORD UID

QMHGXEDDLUTKU4T5O2VFXBXWE2

SOURCE DOCUMENT

IMO_OTHER_STANDARD_BALL_EN

SOURCE FILE

imo_weitere_standard-kugeldrehverbindungen-en.pdf

SOURCE LOCATION

PDF page 19 | Printed page Not published

VERIFICATION

Level 3 - MERYDOM Engineering Verified

REVIEWED BY

MERYDOM Engineering Department

Engineering Confirmation Boundary

- 1 Confirm the exact model designation and all installation-envelope dimensions.
- 2 Confirm mounting-hole quantity, bolt circle, hole specification, bolt grade and preload.
- 3 Confirm gear arrangement, pitch system, tooth count, backlash and mating-pinion data.
- 4 Confirm axial, radial and moment loads, load combinations, duty cycle and required life.
- 5 Confirm support flatness and stiffness, lubrication, sealing, temperature and environment.
- 6 Final drawing revision, manufacturing tolerances and documentation package are confirmed with the quotation.

Request Price, Delivery and Final Engineering Confirmation

Email: jovi@merydom.com | Email: andi@merydom.com | WhatsApp: +86 17705201170

Product page: <https://rotnex.com/it/prodotti/cuscinetti-di-rotazione-sostitutivi/imo/11-25-0716-1-04864/>

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